

### ABSTRACT OF THE DISCLOSURE

Thin-film transistors constituting a liquid crystal module have a channel forming region that is a crystal structural body in which a plurality of rod-like or flat-rod-like crystals are arranged in a particular direction. In the thin-film transistors, deteriorations in device characteristics due to hot carrier injection or the like can be prevented effectively when the temperature is in a range of 80°C-250°C (preferably 100°C-200°C). Therefore, a projection TV that is very high in reliability can be realized.